

REMARKS

Summary of Office Action

Claims 1-3 and 40-42 are rejected under 35 U.S.C. §102(b) as being anticipated by Kasai (US 2003/0030602, hereinafter, referred as Kasai).

Summary of Amendment

Claims 1 and 4 have been amended, and claims 2-3 have been canceled. No new matter has been added. Claims 14-39 and 43-50 are withdrawn from consideration. Accordingly, claims 1, 4-13 and 40-42 are presented for further consideration.

All Pending Claims Comply With 35 U.S.C. §102

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Non-Final Office Action dated December 29, 2008 has been received and its contents carefully reviewed.

In the Office Action, Claims 1-3 and 40-42 are rejected under 35 U.S.C. §102(b) as being anticipated by Kasai (US 2003/0030602, hereinafter, referred as Kasai).

Reexamination and reconsideration of the pending claims are respectfully requested.

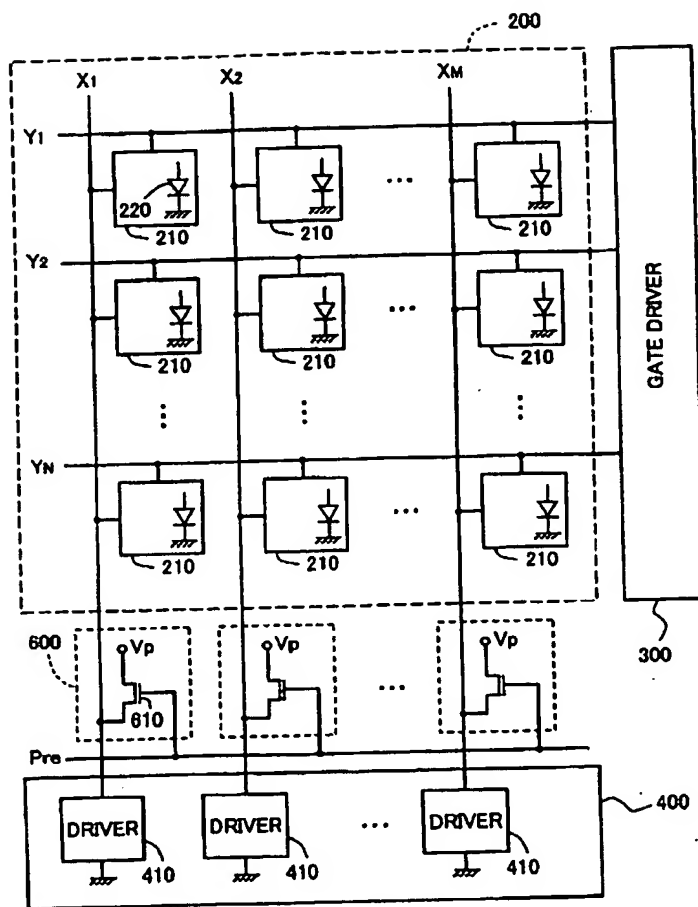
Applicants respectfully submit that claim 1 is patentable over Kasai. **Claim 1** recites an electro-luminescence display device, having a combination of elements including, for example, "pixels provided between data lines and scan lines, each of the pixels including a light-emitting cell driven with a current; a current controller for temporarily increasing the current for subsequent driving of the light-emitting cell; a data driver to apply a data signal to the current controller; a light-emitting cell controller to control the current applied to the light-emitting cell; and a timing controller to apply the data signal to the data driver, and generating a first selection signal, a second selection signal, a third selection signal, a third selection signal, a fourth selection signal, a fifth selection signal, a sixth selection signal, a pre-charging selection signal

and a pre-charging enable signal, wherein the current controller includes: a plurality of current sample holder portions connected to the data driver and the data line, and sampling the data signal from the data driver; and a plurality of pre-charging current suppliers connected between supply voltage lines and the data lines to apply a pre-charging current to the data lines". Kasai fails to teach, either expressly or inherently, at least these features of the claimed invention.

The Examiner asserted that Kasai the current controller including a plurality of a plurality of current sample holder portions (see Fig. 18(600)) connected to the data driver and the data line; and a plurality of pre-charging current suppliers connected between supply voltage lines and the data lines to apply a pre-charging current to the data lines (see [0117]-[0119]).

However, reference number 600 of the Fig. 18 indicates pre-charging circuits (600) connected to each data line (X_m) in a position between the display matrix section (200) and the data line driver (400). Also, paragraphs [0117]-[0119] describe the construction and function of the pre-charging circuits (600).

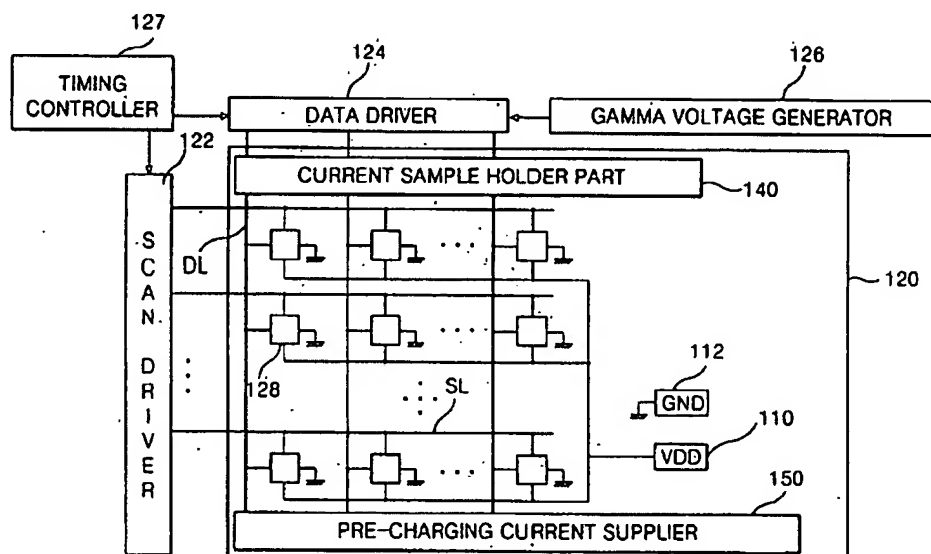
[Fig. 18 of Kasai]



Accordingly, Kasai fails to disclose the plurality of current sample holder portions of the claimed invention connected to the data driver and the data line, and sampling the data signal from the data driver because Fig. 18 and paragraphs of Kasai disclose only the pre-charging circuits (600).

Also, the pre-charging circuits (600) of Kasai are connected to each data line (X1~Xm) in a position between the display matrix section (200) and the data line driver (400), but the plurality of pre-charging current suppliers (150) of the claimed invention is not positioned between the data driver (124) and the data line (DL) as shown in Fig. 4 of the claimed invention. As a result, the plurality of pre-charging current supplier (150) of the claimed invention is different from the pre-charging circuit (600) of Kasai.

[Fig. 4 of the claimed invention]



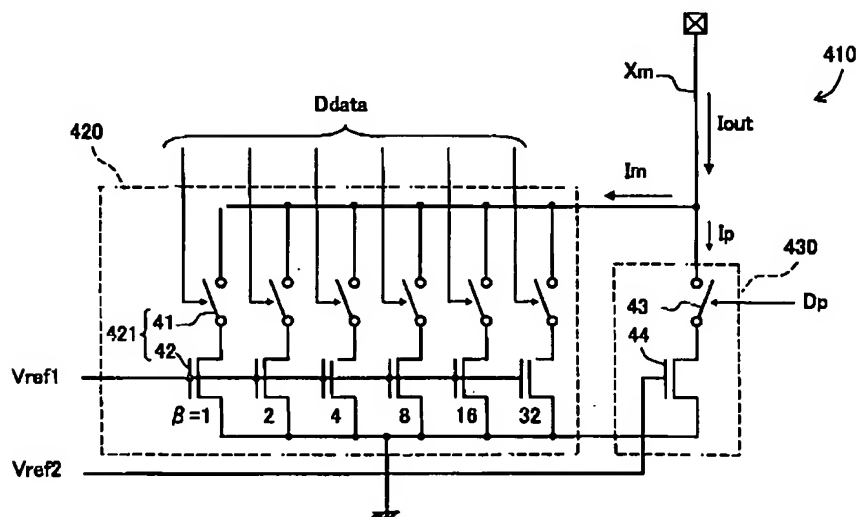
As a result, Kasai fails to disclose the technical features of the claim 1. Accordingly, Applicants respectfully submit that claim 1 is not anticipate by Kasai because Kasai fails to teach, either expressly or inherently, at least these features of the claimed invention.

Applicants respectfully submit that claim 40 is patentable over Kasai. Claim 40 recites a method of driving an electro-luminescence display device, having a combination of elements including, for example, "sequentially sampling data signals applied to the data lines in a time interval when a scanning pulse is applied to the Nth scan line and storing them into a plurality of first sample holders (see [0075]-[0077]); and temporarily increasing a current flowing in the light-emitting cell largely using the data signals stored in the plurality of first sample holders in a

time interval when the scanning pulse is applied to the (N+1)th scan line (see [0139]". Kasai fails to teach, either expressly or inherently, at least these features of the claimed invention.

Paragraphs [0075]-[0077] of Kasai describe a circuit diagram of Fig. 6 including a data signal generating circuit (420) and an additional current generation circuit (430) of the single line driver (410). The data signal generating circuit (420) is connected between the data line (X_m) and the ground, and functions as a current source that generates a current value (a programming current, I_m) that is proportional to the value of the data driving signal (D_{data}) (see [0077]). Also, the additional current generation circuit (430) is connected between the data line (X_m) and the ground, and outputs a predetermined additional current (I_p) corresponding to the reference voltage (V_{ref2}) to the data line (X_m) (see [0078]).

[Fig. 6 of Kasai]



Paragraphs [0075]-[0077] and Fig. 6 fails to disclose a step of sequentially sampling data signals applied to the data lines in a time interval when a scanning pulse is applied to the Nth scan line and storing them into a plurality of first sample holders because the data signal generating circuit (420) of Kasai does not disclose any sample holder sampling data signal and storing the sampled data signal into the sample holders.

As a result, Kasai fails to disclose the technical features of the claim 40. Accordingly, Applicants respectfully submit that claim 40, and claims 41-42 which depend from claims 40 are not anticipated by Kasai because Kasai fails to teach, either expressly or inherently, at least these features of the claimed invention.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

CONCLUSION

In view of the foregoing, reconsideration and timely allowance of the pending claims are respectfully requested. Should the Examiner feel that there are any issues outstanding after consideration of the response, the Examiner is invited to contact the Applicants' undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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